

DTOS Rec'd PCT/PTO 31 JAN 2005

```
<110> Gilles, Jean Guy G
      Saint-Remy, Jean-Marie R
      Jacquemin, Marc
```

<130> 50304/059001

<150> PCT/EP03/008365

<151> 2003-07-28

<150> EP 02447150.0

<151> 2002-07-31

<160> 10

<170> FastSEQ for Windows Version 4.0

<210> 1

$\langle 211 \rangle$  411

<212> DNA

<213> Mus musculus

<220>

<221> CDS

 $\langle 222 \rangle \quad (1) \dots (411)$ 

<221> V region

$$\langle 222 \rangle \quad (\bar{1}) \dots (411)$$

<223> 14C12 monoclonal antibody heavy chain

<221> misc feature

$$\langle 222 \rangle \quad (78) \quad \dots \quad (111)$$

&lt;223&gt; CDR1

<221> misc feature

 $\langle 222 \rangle \quad (150) \dots (198)$ 

&lt;223&gt; CDR2

<221> misc feature

$$\langle 222 \rangle \quad (297) \dots (333)$$

<223> CDR2

<400> 1

gag gtc cag ctt cag cag tct gga cct gag ctg gtt aag cct ggg gct 48  
Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala  
1 5 10 15

tca gtg aag ctg tcc tgc aag gct tct gga tac aca ttc act agc tct 96  
Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Ser  
20 25 30

gtt atg cac tgg ctg aag cag aag tct ggg cag ggc ctt gag tgg att 144  
 Val Met His Trp Leu Lys Gln Lys Ser Gly Gln Gly Leu Glu Trp Ile  
 35 40 45  
 gga tat att aat cct tac aat gat ggt act aag tac aat gag aag ttc 192  
 Gly Tyr Ile Asn Pro Tyr Asn Asp Gly Thr Lys Tyr Asn Glu Lys Phe  
 50 55 60  
 aca gcc aag gcc aca ctg act tca gac aaa tcc tcc agc aca gtc tac 240  
 Thr Ala Lys Ala Thr Leu Thr Ser Asp Lys Ser Ser Ser Thr Val Tyr  
 65 70 75 80  
 atg gag ctc agc ggc ctg acc tct gag gac ttt gcg gtc tat tac tgt 288  
 Met Glu Leu Ser Gly Leu Thr Ser Glu Asp Phe Ala Val Tyr Tyr Cys  
 85 90 95  
 gca cga tcg gga ggt tta cta cga ggt tac tgg tac ttc gat gtc tgg 336  
 Ala Arg Ser Gly Gly Leu Leu Arg Gly Tyr Trp Tyr Phe Asp Val Trp  
 100 105 110  
 ggc gca ggg acc acg gtc acc gtc tcc tca gcc aaa aca aca gcc cca 384  
 Gly Ala Gly Thr Thr Val Thr Val Ser Ser Ala Lys Thr Thr Ala Pro  
 115 120 125  
 tcg gtc tat ccc ttg gtc cct ggc tgc 411  
 Ser Val Tyr Pro Leu Val Pro Gly Cys  
 130 135

<210> 2  
 <211> 137  
 <212> PRT  
 <213> Mus musculus

<400> 2  
 Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala  
 1 5 10 15  
 Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Ser  
 20 25 30  
 Val Met His Trp Leu Lys Gln Lys Ser Gly Gln Gly Leu Glu Trp Ile  
 35 40 45  
 Gly Tyr Ile Asn Pro Tyr Asn Asp Gly Thr Lys Tyr Asn Glu Lys Phe  
 50 55 60  
 Thr Ala Lys Ala Thr Leu Thr Ser Asp Lys Ser Ser Ser Thr Val Tyr  
 65 70 75 80  
 Met Glu Leu Ser Gly Leu Thr Ser Glu Asp Phe Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Arg Ser Gly Gly Leu Leu Arg Gly Tyr Trp Tyr Phe Asp Val Trp  
 100 105 110  
 Gly Ala Gly Thr Thr Val Thr Val Ser Ser Ala Lys Thr Thr Ala Pro  
 115 120 125  
 Ser Val Tyr Pro Leu Val Pro Gly Cys  
 130 135

<210> 3  
 <211> 369

<212> DNA  
 <213> Mus musculus

<220>  
 <221> CDS  
 <222> (1)...(369)

<221> V\_region  
 <222> (1)...(369)  
 <223> 14C12 monoclonal antibody light chain

<221> misc\_feature  
 <222> (72)...(102)  
 <223> CDR1

<221> misc\_feature  
 <222> (150)...(168)  
 <223> CDR2

<221> misc\_feature  
 <222> (267)...(291)  
 <223> CDR3

```
<400> 3
gat ctt gtg cta act cag tct cca gcc acc ctg tct gtg act cca gga 48
Asp Leu Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Val Thr Pro Gly
  1             5             10             15

gat agt gtc agt ctt tcc tgt agg gcc agc caa gat att acc aac acc 96
Asp Ser Val Ser Leu Ser Cys Arg Ala Ser Gln Asp Ile Thr Asn Thr
          20             25             30

ctt cac tgg tat cat caa aaa tca cat gag tct cca agg ctt ctc atc 144
Leu His Trp Tyr His Gln Lys Ser His Glu Ser Pro Arg Leu Leu Ile
          35             40             45

aag tat gtt tcc cag tcc atc tct ggg atc ccc tcc agg ttc agt ggc 192
Lys Tyr Val Ser Gln Ser Ile Ser Gly Ile Pro Ser Arg Phe Ser Gly
          50             55             60

agt gga tca ggg aca gtt ttc act ctc agt atc aac agt gtg gag act 240
Ser Gly Ser Gly Thr Val Phe Thr Leu Ser Ile Asn Ser Val Glu Thr
          65             70             75             80

gaa gat ttt gga gtg tat ttc tgt cag cag agt acc agc tgg ccg tac 288
Glu Asp Phe Gly Val Tyr Phe Cys Gln Gln Ser Thr Ser Trp Pro Tyr
          85             90             95

aca ttc gga ggg ggg acc aag ttg gaa ata aaa cgg gct gat gct gca 336
Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala Asp Ala Ala
          100            105            110

cca act gta tcc atc ttc cca cca tcc agt gag 369
Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu
          115            120
```

<210> 4  
 <211> 123  
 <212> PRT  
 <213> Mus musculus

<400> 4  
 Asp Leu Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Val Thr Pro Gly  
 1 5 10 15  
 Asp Ser Val Ser Leu Ser Cys Arg Ala Ser Gln Asp Ile Thr Asn Thr  
 20 25 30  
 Leu His Trp Tyr His Gln Lys Ser His Glu Ser Pro Arg Leu Leu Ile  
 35 40 45  
 Lys Tyr Val Ser Gln Ser Ile Ser Gly Ile Pro Ser Arg Phe Ser Gly  
 50 55 60  
 Ser Gly Ser Gly Thr Val Phe Thr Leu Ser Ile Asn Ser Val Glu Thr  
 65 70 75 80  
 Glu Asp Phe Gly Val Tyr Phe Cys Gln Gln Ser Thr Ser Trp Pro Tyr  
 85 90 95  
 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala Asp Ala Ala  
 100 105 110  
 Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu  
 115 120

<210> 5  
 <211> 12  
 <212> PRT  
 <213> Mus musculus

<400> 5  
 Gly Tyr Thr Phe Thr Ser Ser Val Met His Trp Leu  
 1 5 10

<210> 6  
 <211> 18  
 <212> PRT  
 <213> Mus musculus

<400> 6  
 Gly Tyr Ile Asn Pro Tyr Asn Asp Gly Thr Lys Tyr Asn Glu Lys Phe  
 1 5 10 15  
 Thr Ala

<210> 7  
 <211> 13  
 <212> PRT  
 <213> Mus musculus

<400> 7  
 Ser Gly Gly Leu Leu Arg Gly Tyr Trp Tyr Phe Asp Val  
 1 5 10

<210> 8

<211> 11  
 <212> PRT  
 <213> Mus musculus  
  
 <400> 8  
 Arg Ala Ser Gln Asp Ile Thr Asn Thr Leu His  
 1 5 10

<210> 9  
 <211> 7  
 <212> PRT  
 <213> Mus musculus

<400> 9  
 Tyr Val Ser Gln Ser Ile Ser  
 1 5

<210> 10  
 <211> 9  
 <212> PRT  
 <213> Mus musculus

<400> 10  
 Gln Gln Ser Thr Ser Trp Pro Tyr Thr  
 1 5

1